



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/SE91/00335 <b>(22) International Filing Date:</b> 13 May 1991 (13.05.91) <b>(30) Priority data:</b> 9001705-4 11 May 1990 (11.05.90) SE <b>(71) Applicant (for all designated States except US):</b> MED-SCAND AB [SE/SE]; Box 20047, S-200 74 Malmö (SE). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only) :</b> DILLNER, Joakim [SE/SE]; DILLNER, Lena [SE/SE]; Brännkyrkagatan 117, S-117 28 Stockholm (SE). CHENG, Hwee-Ming [MY/MY]; 231, Jalan Maarof, Bangsar, 59000 Kuala Lumpur (MY).		<b>(74) Agents:</b> STRÖM, Tore et al.; Ström & Gulliksson AB, Post Box 4188, S-203 13 Malmö (SE). <b>(81) Designated States:</b> AT (European patent), AU, BE (European patent), CA, CH (European patent), DE (European patent), DK (European patent), ES (European patent), FI, FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent), US. <b>Published</b> <i>With international search report.</i> <i>In English translation (filed in Swedish).</i>
<b>(54) Title:</b> SYNTHETIC PEPTIDES OF HUMAN PAPILLOMAVIRUSES 1, 5, 6, 8, 11, 16, 18, 31, 33 AND 56, USEFUL IN IMMUNOSSAY FOR DIAGNOSTIC PURPOSES  <b>(57) Abstract</b>  The invention refers to a method for diagnosing the presence of infection of papilloma virus (PV) and of papilloma virus (PV) carrying tumours, especially cervix cancer and condyloma, by the detection of virus specific antigen-antibody complexes in immunossay.		

GMLDDATVPCWNYIDDNLRN (HPV 16, E1)  
 LHNRLVVFTFPNEFPDENG (HPV 16, E1)  
 FDENGPNVYELNDKNWKS (HPV 16, E1)  
 DSLPTFKCVSGQNTNTL (HPV 16, E1)  
 5 GDICNTMHYTNWTHIYICEE (HPV 16, E2)  
 LTHYENDSTDLRDHIDYWKH (HPV 16, E2)  
 PTGCIKKHGYTVEVQFDGDI (HPV 16, E2)  
 FDGDICNTMHYTNWTHIYIC (HPV 16, E2)  
 HIYICEEASVTVEGQVDYY (HPV 16, E2)  
 10 QVDYYGLYYVHEGIRTYFVQ (HPV 16, E2)  
 TYFVQFKDDAEKYSKNKVWE (HPV 16, E2)  
 NKVWEVHAGGQVILCPTSVF (HPV 16, E2)  
 AVALGTEETQTTIQRPRSEP (HPV 16, E2)  
 PRSEPDTGNPCHTTKLLHRD (HPV 16, E2)  
 15 FNSSHKGRINCNSNTTPIVH (HPV 16, E2)  
 SSDQDQSQTPETPATPLSCC (HPV 16, E4)  
 IPKPSPWAPKKHRLSSDQD (HPV 16, E4)  
 ADPAAATKYPLLKLLGSTWPTTPPRPIPKP (HPV 16, E4)  
 WPTTPPRPIPKPSPWAPKKHRLSSDQDQS (HPV 16, E4)  
 20 TNLDTASTLLACFLLCFCV (HPV 16, E5)  
 YSKISEYRHYCYSLYGTTL (HPV 16, E6)  
 GTTLEQQYNKPLCDLLIRCI (HPV 16, E6)  
 HGDTPTLHEYMLDLQPETTD (HPV 16, E7)  
 PETTDLYCYEQLNDSSEED (HPV 16, E7)  
 25 PDRAHYNIVTFCKCDSTLR (HPV 16, E7)  
 DSTLRLCVQSTHVDIRTLEDL (HPV 16, E7)  
 TLEDLLMGTLGIVCPICSQKP (HPV 16, E7)  
 HGDTPTLHEYMLDLQPETTDLYCYEQLNDS (HPV 16, E7)  
 QAEPDRAHYNIVTFCKCDSTLRLCVQSTH (HPV 16, E7)  
 30 CCKCDSTLRLCVQSTHVDIRTLEDLLMGTL (HPV 16, E7)  
 VQSTHVDIRTLEDLLMGTLGIVCPICSQKP (HPV 16, E7)  
 VTSQAIACQKHTPPAPKEDPL (HPV 16, L1)  
 VHTGFGAMDFTTLQAGGC (HPV 16, L1)  
 GGTLEDTYRFGGC (HPV 16, L1)  
 35 FDGNKDNCMFTYVAWDSVYYM (HPV 18, E2)